

What is Claimed is:

Sub A1
1. A method of assisting a user to make a connection between a main device and a peripheral device, comprising:

displaying a guide illustration on a display screen in response to user input, the illustration showing how to connect the main device and at least one peripheral device.

2. The method of claim 1, wherein the main device is one of a television receiver and a personal computer.

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3. The method of claim 1, wherein the guide illustration shows at least one terminal plate of the main device, at least one terminal plate of the peripheral device and a connection between the terminal plate of the main device and the terminal plate of the peripheral device.

4. The method of claim 1, wherein the guide illustration shows at least one terminal plate of the main device, the terminal plate of more than one peripheral device, and a connection between the terminal plate of the main device and the terminal plate of at least one peripheral device.

5. The method of claim 1, wherein the guide illustration shows each terminal plate of the main device, the terminal plate of more than one peripheral device, and a connection between one of the terminal plates of the main device and the terminal plate of at least one peripheral device.

6. A method of assisting a user to make a connection between a main device and a peripheral device, comprising:

displaying an illustration on a display screen in response to user input, the illustration showing at least one connecting portion of a main device, a connecting portion of at least one peripheral device, and a connection between the peripheral device and the main device.

7. The method of claim 6, wherein the illustration includes an animation to show the connection between the main device and the peripheral device.

8. The method of claim 6, wherein the illustration shows the connection between the peripheral device and the main device in a highlighted form.

9. The method of claim 8, wherein the highlighted form is a color which differs from a remainder of the illustration.

10. The method of claim 8, wherein the connecting portion of the main device is a connecting portion on an outside surface of the main device.

11. The method of claim 6, wherein the displaying step displays the illustration on the display screen of the main device.

B1 12. The method of claim 6, wherein the illustration shows a plurality of connecting portions of the main device.

8/13 13. The method of claim 6, wherein the illustration shows the connecting portion of a plurality of peripheral devices.

000290-12180950 14. The method of claim 6, further comprising:
displaying a menu having a plurality of menu items, each menu item associated with at least one of a plurality of peripheral devices;
receiving user input on a selected menu item; and wherein
the displaying an illustration step displays an illustration associated with the selected menu item.

15. The method of claim 14, wherein the displaying a menu step displays each menu item as an icon, each icon representing one or combination of peripheral devices.

16. The method of claim 14, wherein the receiving step receives a signal from an input device indicating that a key of the input device associated with one of the menu items has been operated by the user.

17. The method of claim 14, wherein the receiving step receives signals from an input device providing instructions on moving a cursor displayed on the display screen onto one of the

menu items.

A3 18. A method of assisting a user to make a connection between a main device and a peripheral device, comprising:

displaying an illustration on a display screen in response to user input, the illustration showing at least one connecting portion of a main device and a connection to the main device for a particular peripheral device.

B1 19. The method of claim 18, wherein the illustration shows a plurality of connecting portions of the main device.

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A4 20. A method of assisting a user make a connection between a main device and a peripheral device, comprising:

displaying an illustration on a display screen in response to first user input, the illustration showing at least one connecting portion of the main device and the connecting portion of at least one peripheral device.

21. The method of claim 20, further comprising:

adding a connection illustration to the displayed illustration in response to second user input, the connection illustration showing a connection between the connecting portion of the peripheral device and the connecting portion of the main device.

22. The method of claim 20, further comprising:

displaying a second illustration on the display screen in response to second user input, the second illustration showing the connecting portion of the main device, the connecting portion of the peripheral device and a connection between the connecting portion of the peripheral device and the connecting portion of the main device.

23. The method of claim 20, wherein the displaying step displays each connecting portion of the main device.

24. The method of claim 20, wherein the displaying step displays each connecting portion of the main device and the connecting portion of more than one peripheral device.

25. A method of assisting a user to make a connection between a main device and a peripheral device, comprising:

displaying an illustration on a display screen in response to user input, the illustration visually demonstrating a connection to make between a connection portion of at least one peripheral device and at least one connecting portion of a main device.

26. A method of assisting a user to make a connection between a main device and a peripheral device, comprising:

displaying an illustration directing a user on a connection to make between a connecting portion of at least one peripheral device and at least one connecting portion of a main device on

a display screen in response to user input.

A5 27. A method of assisting a user to make a connection between a main device and a peripheral device, comprising:

displaying an illustration guiding a user on a connection to make between a connecting portion of at least one peripheral device and at least one connecting portion of a main device on a display screen in response to user input.

28. An apparatus for assisting a user to make a connection between a main device and a peripheral device, comprising:

a display screen;

a display controller displaying a guide illustration on said display screen in response to user input, the guide illustration showing how to connect the main device and at least one peripheral device.

B1 29. The apparatus of claim 28, wherein the main device is one of a television receiver and a personal computer.

Sub A6 30. The apparatus of claim 28, wherein the peripheral device is one of a video cassette recorder, a digital versatile disk drive, a broadcast antenna, a satellite receiver, a cable box, a disk drive, speakers, a mouse, and a printer.

31. The apparatus of claim 28, further comprising:
a memory storing a plurality of guide illustrations, each guide illustration corresponding to one or a combination of peripheral devices.

32. The apparatus of claim 28, wherein display controller is a display controller of the main device.

33. An apparatus for assisting a user to make a connection between a main device and a peripheral device, comprising:

a display screen;

a display controller displaying an illustration on said display screen in response to user input, the illustration showing at least one connecting portion of a main device, a connecting portion of at least one peripheral device, and a connection between the peripheral device and the main device.

34. The apparatus of claim 33, wherein the illustration includes an animation to show the connection between the main device and the peripheral device.

35. The apparatus of claim 33, wherein the illustration shows the connection between the peripheral device and the main device in a highlighted form.

36. The apparatus of claim 35, wherein the highlighted form is a color which differs from

a remainder of the illustration.

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37. The apparatus of claim 33, further comprising:
a memory storing a plurality of illustrations, each illustration corresponding to one or a combination of peripheral devices.

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38. The apparatus of claim 33, wherein the illustration shows a plurality of connecting portions of the main device.

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39. The apparatus of claim 33, wherein the illustration shows the connecting portion of a plurality of peripheral devices.

40. The apparatus of claim 33, further comprising:
an input processor receiving user input via one of a key input device connected to the input processor and a remote key input device, and processing the received user input; and
wherein

the display controller displays a menu having a plurality of menu items, each menu item associated with at least one of a plurality of peripheral devices, and the display controller receives processed user input indicating a selection of a menu item and displays the illustration associated with the selected menu item.

41. The apparatus of claim 40, wherein the display controller displays each menu item

46. The apparatus of claim 45, wherein the display controller adds a connection illustration to the displayed illustration in response to second user input, the connection illustration showing a connection between the connecting portion of the peripheral device and the connecting portion of the main device.

A9 47. The apparatus of claim 46, further comprising:

a memory storing the first illustration and a plurality of connection illustrations, each connection illustration associated with one or combination of peripheral devices.

48. The apparatus of claim 45, wherein the display controller displays a second illustration on the display screen in response to second user input, the second illustration showing the connecting portion of the main device, the connecting portion of the peripheral device and a connection between the connecting portion of the peripheral device and the connecting portion of the main device.

49. The apparatus of claim 48, further comprising:

a memory storing the first and second illustrations.

Sub 110 50. An apparatus for assisting a user to make a connection between a main device and a peripheral device, comprising:

a display screen;

a display controller displaying an illustration on said display screen in response to user

input, the illustration visually demonstrating a connection to make between a connection portion of at least one peripheral device and at least one connecting portion of a main device.

A10 51. An apparatus for assisting a user to make a connection between a main device and a peripheral device, comprising:

a display screen;

a display controller displaying an illustration directing a user on a connection to make between a connecting portion of at least one peripheral device and at least one connecting portion of a main device on said display screen in response to user input.

52. An apparatus for assisting a user to make a connection between a main device and a peripheral device, comprising:

a display screen;

a display controller displaying an illustration guiding a user on a connection to make between a connecting portion of at least one peripheral device and at least one connecting portion of a main device on said display screen in response to user input.